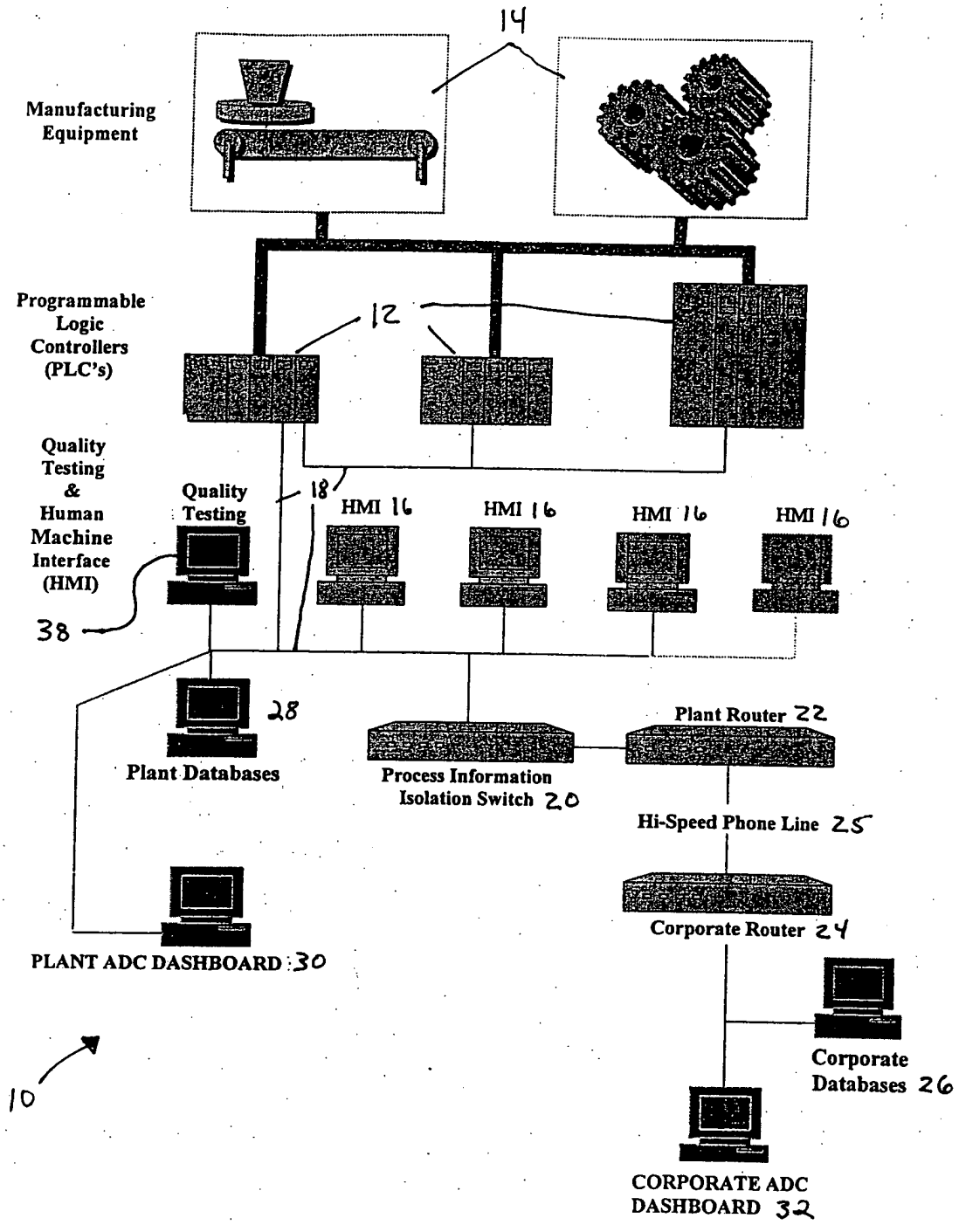



Fig. 1

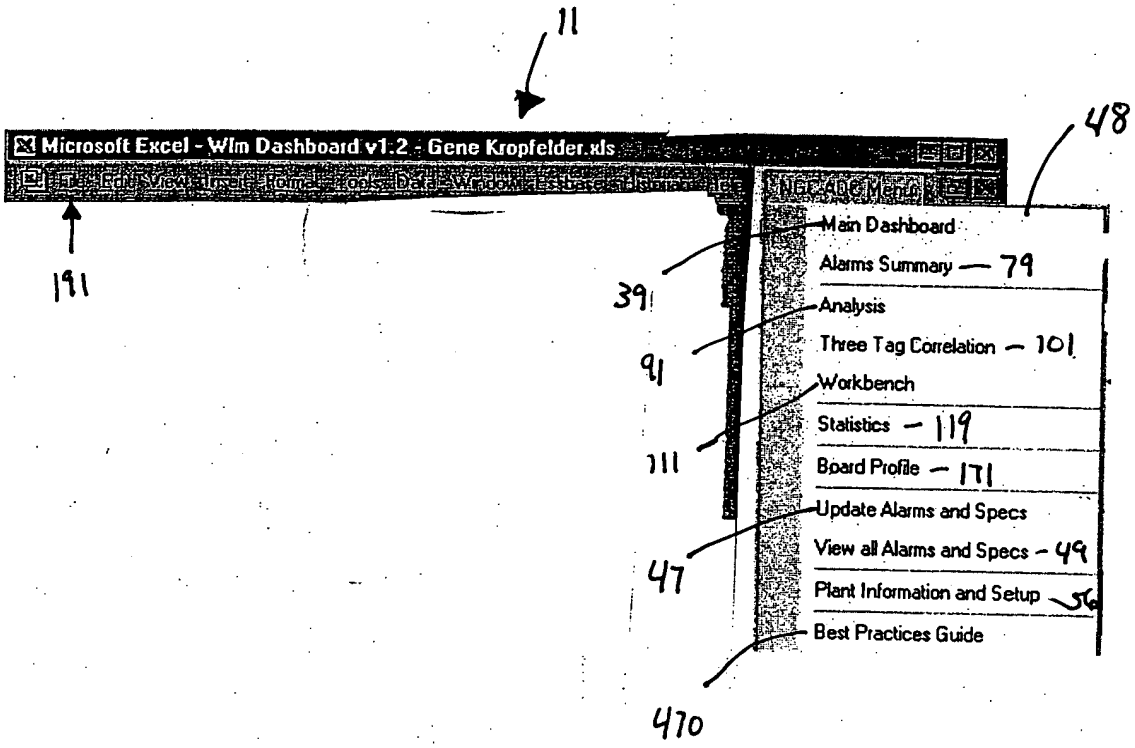

11
Microsoft Excel - Wlm Dashboard v1.2 - Gene Kropfelder.xls
191
48
Main Dashboard
Alarms Summary — 79
39
Analysis
Three Tag Correlation — 101
91
Workbench
Statistics — 119
111
Board Profile — 171
Update Alarms and Specs
View all Alarms and Specs — 49
47
Plant Information and Setup
Best Practices Guide
470

Figure 2a

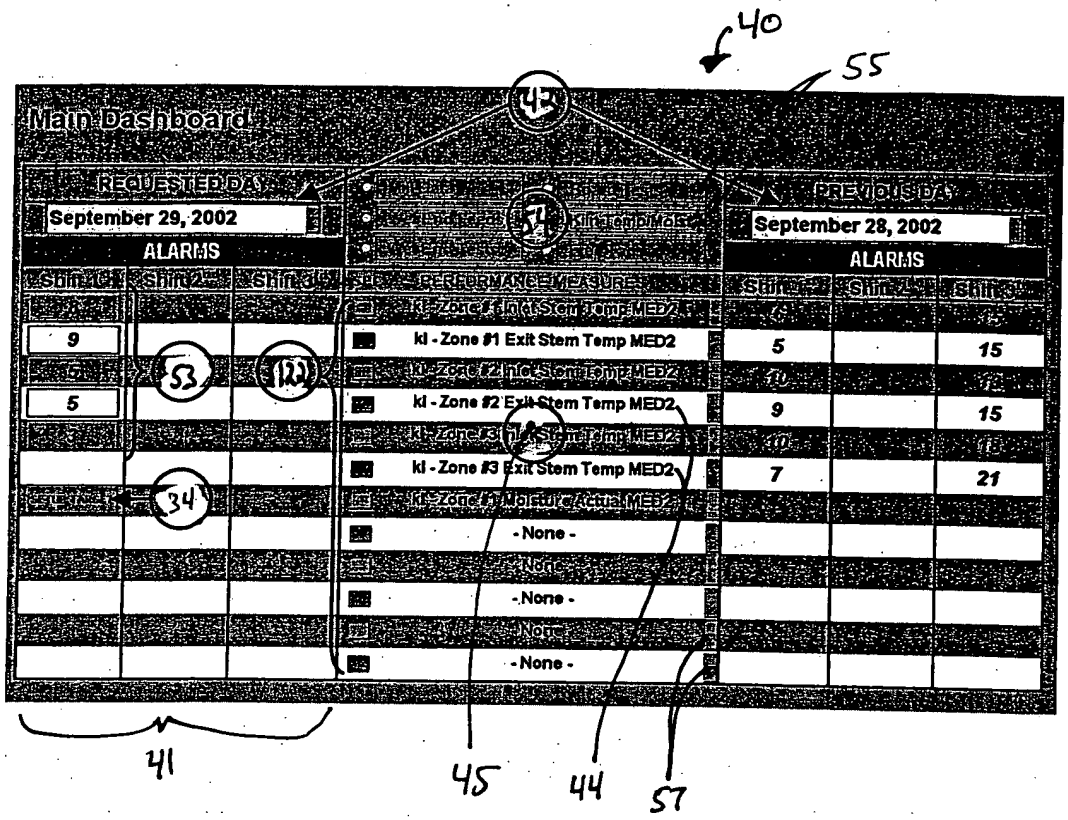

40
55
42
Main Dashboard
REQUESTED DAY
September 29, 2002
ALARMS
Shift 1
Shift 2
Shift 3
PERFORMANCE MEASURE
kl - Zone #1 Exit Stem Temp MED2
kl - Zone #2 Exit Stem Temp MED2
kl - Zone #3 Exit Stem Temp MED2
- None -
- None -
- None -
PREVIOUS DAY
September 28, 2002
ALARMS
9
5
5
15
9
15
7
21
53
122
34
41
45
44
57

Fig. 2b

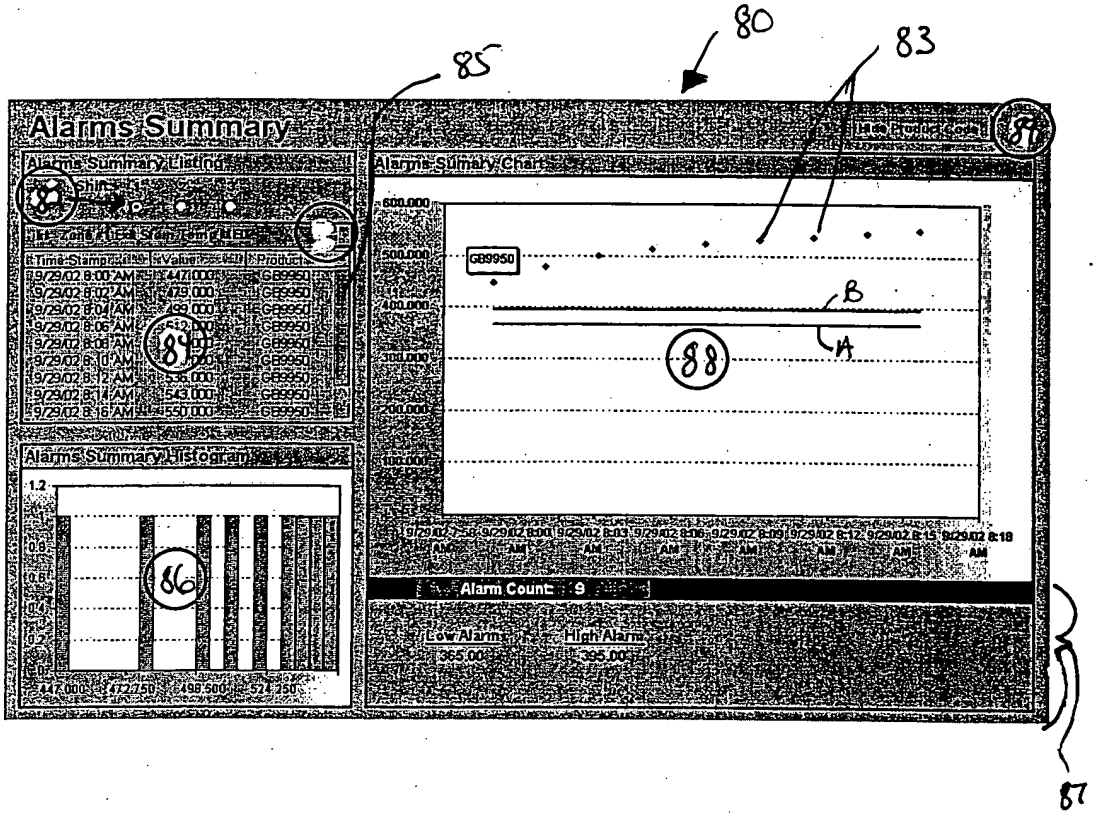

80
83
85
Alarms Summary
Alarms Summary Listing
Alarms Summary Chart
Alarms Summary Histogram
GB9950
Alarm Count : 9
Low Alarm
High Alarm
365.00
395.00
86
87
88
89

Fig. 3

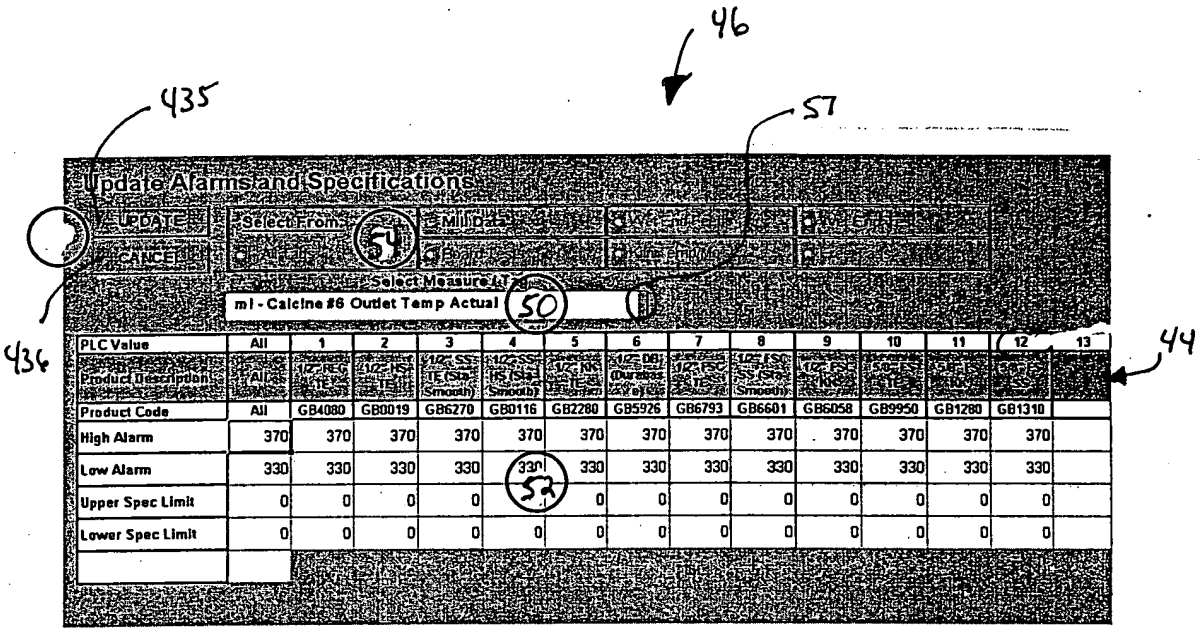
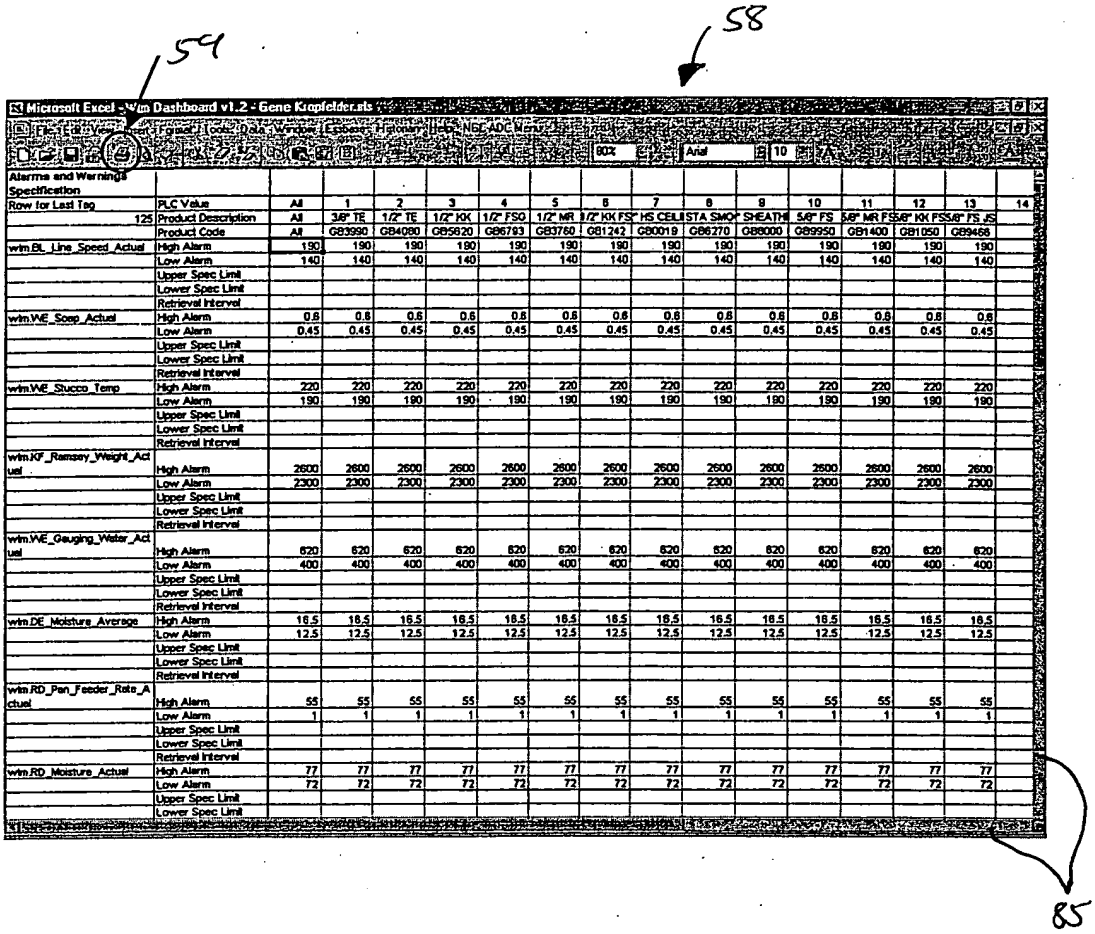

46
435
57
Update Alarms and Specifications
UPDATE
CANCEL
Select From:
54
Mill Data
Select Measure
m1 - Calcine #6 Outlet Temp Actual
50
436
44
PLC Value
Product Description
Product Code
High Alarm
Low Alarm
Upper Spec Limit
Lower Spec Limit
All
GB4080
GB0019
GB6270
GB0116
GB2280
GB5926
GB6793
GB6601
GB6058
GB9950
GB1280
GB1310
370
330
0
52

Fig. 4a




Microsoft Excel - wim Dashboard v1.2 - Gene Kropfelder.xls

| Alarms and Warnings Specification | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Row for Last Tag | PLC Value | All | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 125 | Product Description | All | 3/8" TE | 1/2" TE | 1/2" KK | 1/2" FSG | 1/2" MR | 1/2" KK FSG | HS CELLSTA | SMOOTH | SHEATHI | 5/8" FS | 5/8" MR FS | 5/8" KK FS | 5/8" FS JS | |
| | Product Code | All | GB3990 | GB4080 | GB5820 | GB6793 | GB3780 | GB1242 | GB0019 | GB6270 | GB8000 | GB9950 | GB1400 | GB1050 | GB9468 | |
| wim.BL_Line_Speed_Actual | High Alarm | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | |
| | Low Alarm | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | |
| | Upper Spec Limit | | | | | | | | | | | | | | | |
| | Lower Spec Limit | | | | | | | | | | | | | | | |
| | Retrieval Interval | | | | | | | | | | | | | | | |
| wim.WE_Soap_Actual | High Alarm | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | |
| | Low Alarm | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | |
| | Upper Spec Limit | | | | | | | | | | | | | | | |
| | Lower Spec Limit | | | | | | | | | | | | | | | |
| | Retrieval Interval | | | | | | | | | | | | | | | |
| wim.WE_Stucco_Temp | High Alarm | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | |
| | Low Alarm | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | |
| | Upper Spec Limit | | | | | | | | | | | | | | | |
| | Lower Spec Limit | | | | | | | | | | | | | | | |
| | Retrieval Interval | | | | | | | | | | | | | | | |
| wim.KF_Ramsey_Weight_Actual | High Alarm | 2600 | 2600 | 2600 | 2600 | 2600 | 2600 | 2600 | 2600 | 2600 | 2600 | 2600 | 2600 | 2600 | 2600 | |
| | Low Alarm | 2300 | 2300 | 2300 | 2300 | 2300 | 2300 | 2300 | 2300 | 2300 | 2300 | 2300 | 2300 | 2300 | 2300 | |
| | Upper Spec Limit | | | | | | | | | | | | | | | |
| | Lower Spec Limit | | | | | | | | | | | | | | | |
| | Retrieval Interval | | | | | | | | | | | | | | | |
| wim.WE_Gauging_Water_Actual | High Alarm | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | |
| | Low Alarm | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | |
| | Upper Spec Limit | | | | | | | | | | | | | | | |
| | Lower Spec Limit | | | | | | | | | | | | | | | |
| | Retrieval Interval | | | | | | | | | | | | | | | |
| wim.DE_Moisture_Average | High Alarm | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | |
| | Low Alarm | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | |
| | Upper Spec Limit | | | | | | | | | | | | | | | |
| | Lower Spec Limit | | | | | | | | | | | | | | | |
| | Retrieval Interval | | | | | | | | | | | | | | | |
| wim.RD_Pan_Feeder_Rate_Actual | High Alarm | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | |
| | Low Alarm | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | Upper Spec Limit | | | | | | | | | | | | | | | |
| | Lower Spec Limit | | | | | | | | | | | | | | | |
| | Retrieval Interval | | | | | | | | | | | | | | | |
| wim.RD_Moisture_Actual | High Alarm | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | |
| | Low Alarm | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | |
| | Upper Spec Limit | | | | | | | | | | | | | | | |
| | Lower Spec Limit | | | | | | | | | | | | | | | |

Fig. 46

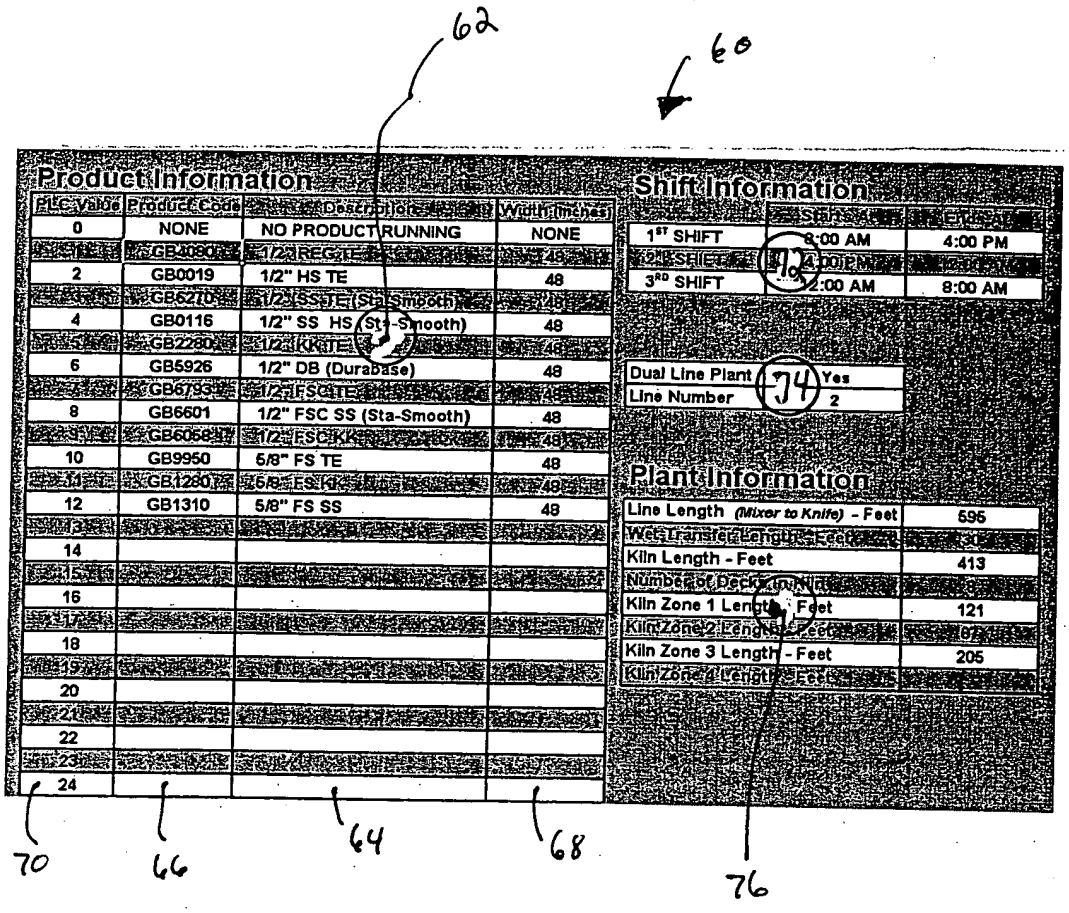

62
60
Product Information
PLC Value
Product Code
Description
Width in Inches
0 NONE NO PRODUCT RUNNING NONE
2 GB0019 1/2" HS TE 48
4 GB0116 1/2" SS HS (Sta-Smooth) 48
6 GB5926 1/2" DB (Durabase) 48
8 GB6601 1/2" FSC SS (Sta-Smooth) 48
10 GB9950 5/8" FS TE 48
12 GB1310 5/8" FS SS 48
14
16
18
20
22
24
Shift Information
1ST SHIFT 8:00 AM 4:00 PM
3RD SHIFT 12:00 AM 8:00 AM
Dual Line Plant 74 Yes
Line Number 2
Plant Information
Line Length (Mixer to Knife) - Feet 595
Kiln Length - Feet 413
Kiln Zone 1 Length - Feet 121
Kiln Zone 3 Length - Feet 205
70
66
64
68
76

Fig. 5

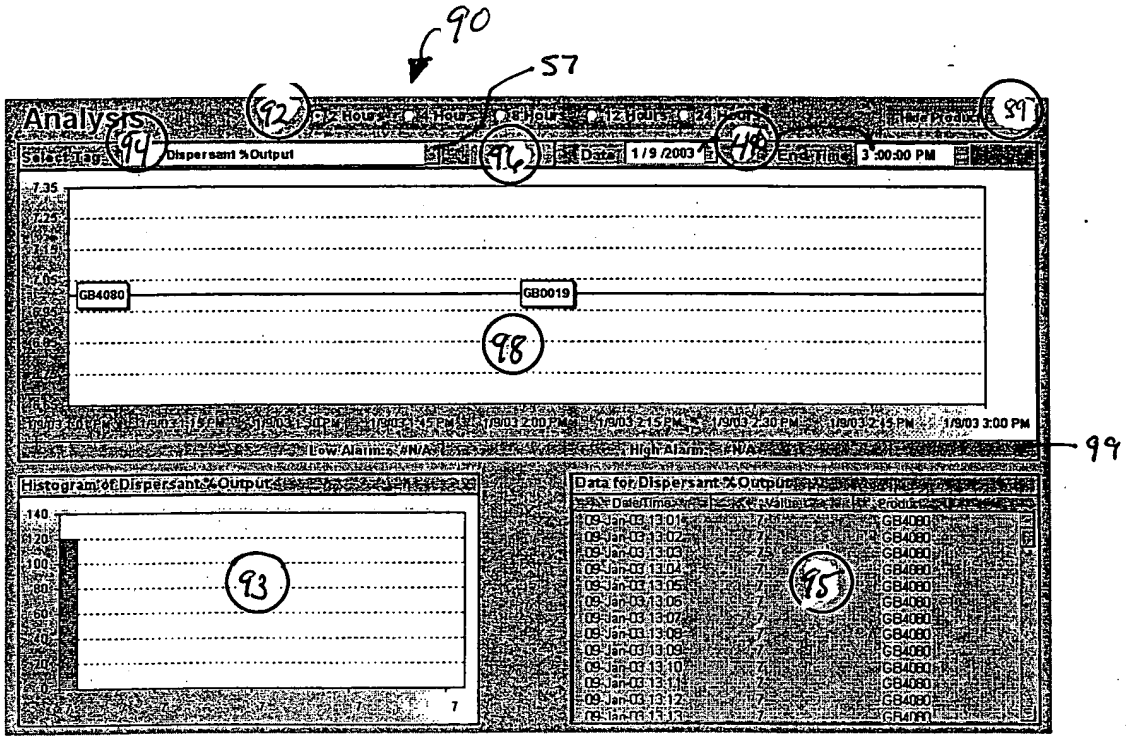

90
57
Analysis
92
89
94
Dispersant %Output
96
Date
1/9/2003
48
End Time
3:00:00 PM
GB4080
GB0019
98
1/8/03 3:00 PM
99
Low Alarm: #N/A
High Alarm: #N/A
Histogram of Dispersant %Output
93
Data for Dispersant %Output
Date/Time
Value
95
09-Jan-03 13:01
09-Jan-03 13:02
09-Jan-03 13:03
09-Jan-03 13:04
09-Jan-03 13:05
09-Jan-03 13:06
09-Jan-03 13:07
09-Jan-03 13:08
09-Jan-03 13:09
09-Jan-03 13:10
09-Jan-03 13:11
09-Jan-03 13:12
09-Jan-03 13:13
GB4080

Fig. 6

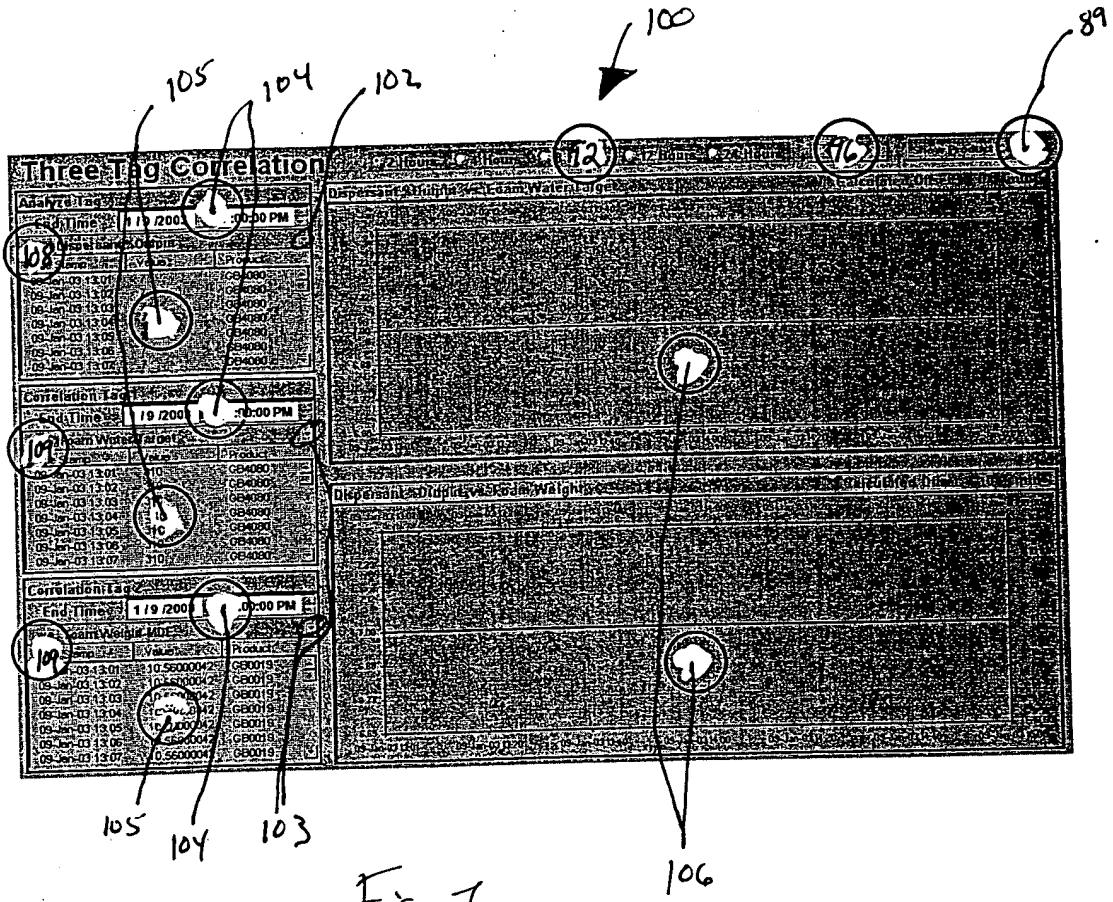

100
89
105
104
102
Three Tag Correlation
108
107
109
105
104
103
106

Fig. 7

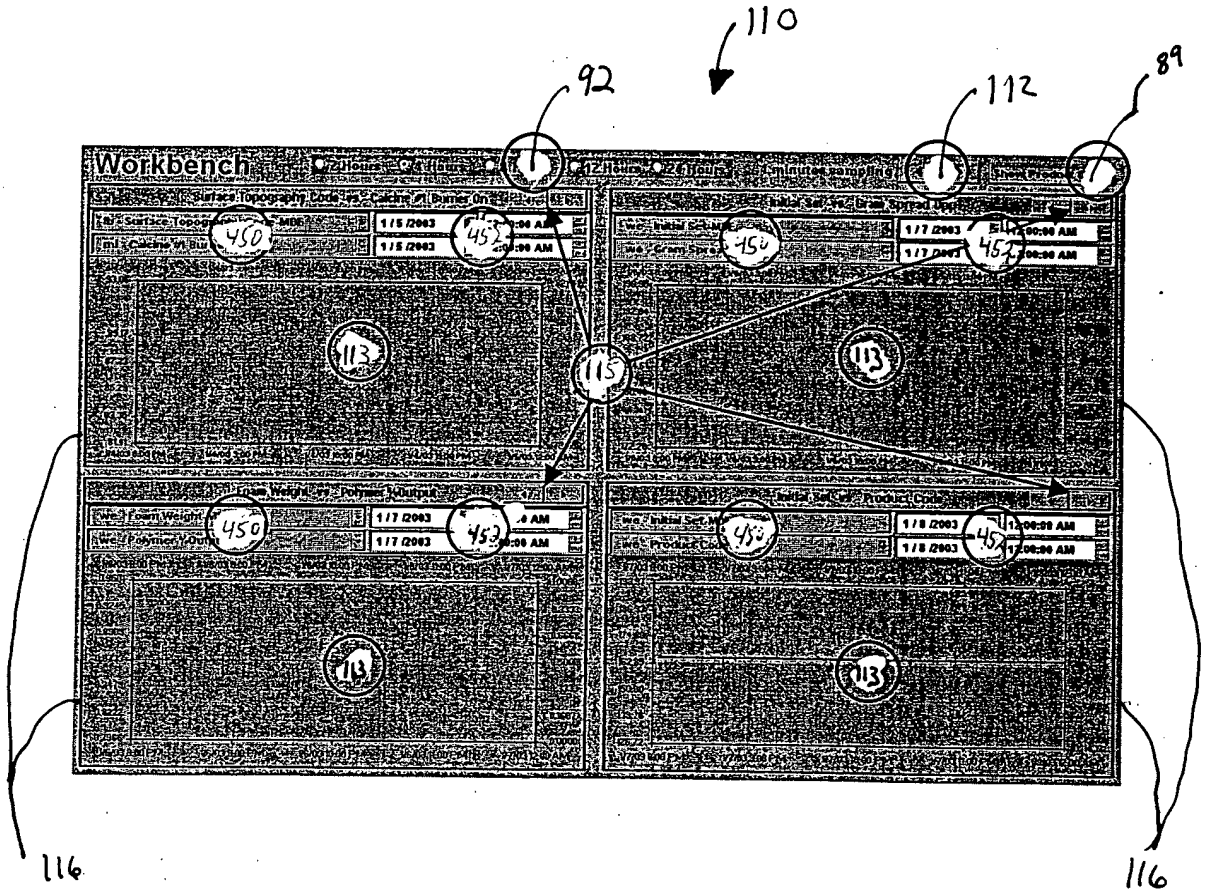



Fig. 8

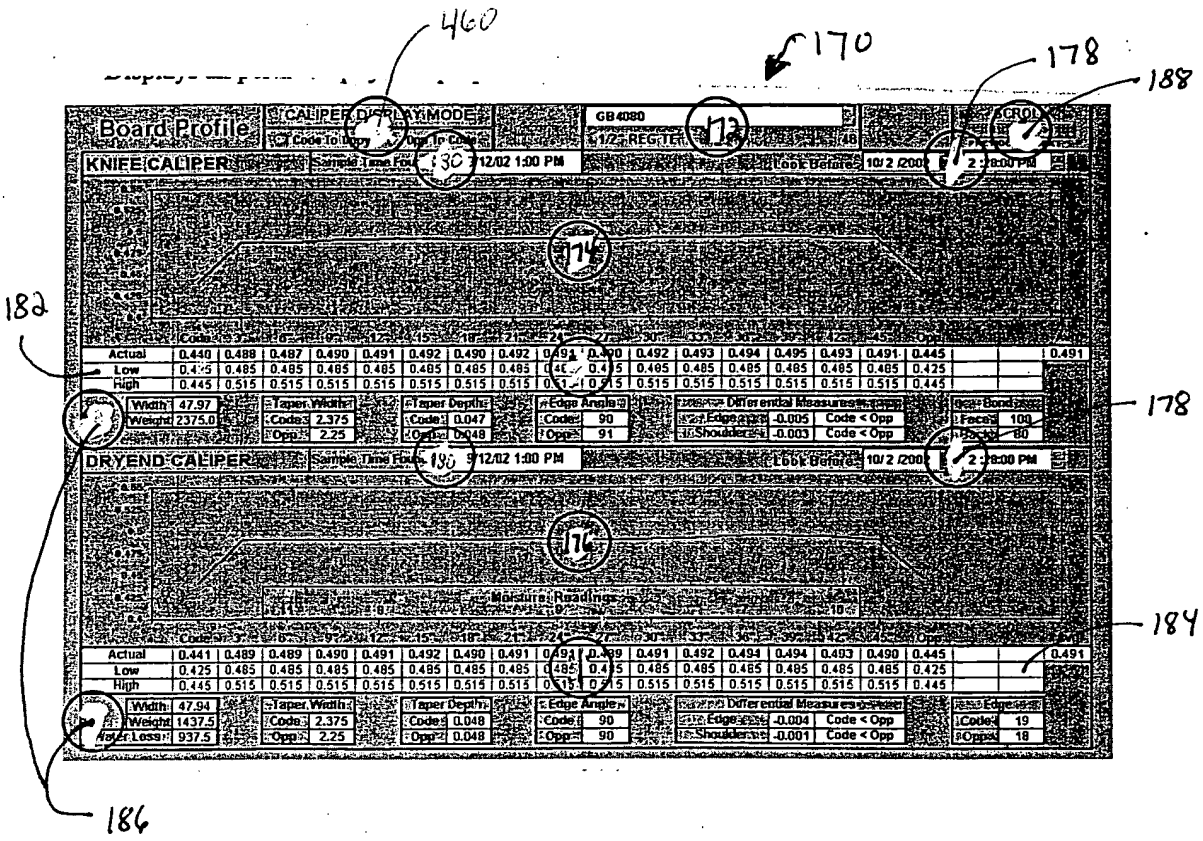

460
170
178
188
182
178
184
186
Board Profile
CALIPER DISPLAY MODE
KNIFE CALIPER
DRYEND CALIPER
Actual
Low
High
Width
Weight
Taper Width
Taper Depth
Edge Angle
Differential Measurements
Moisture Readings

Fig. 9

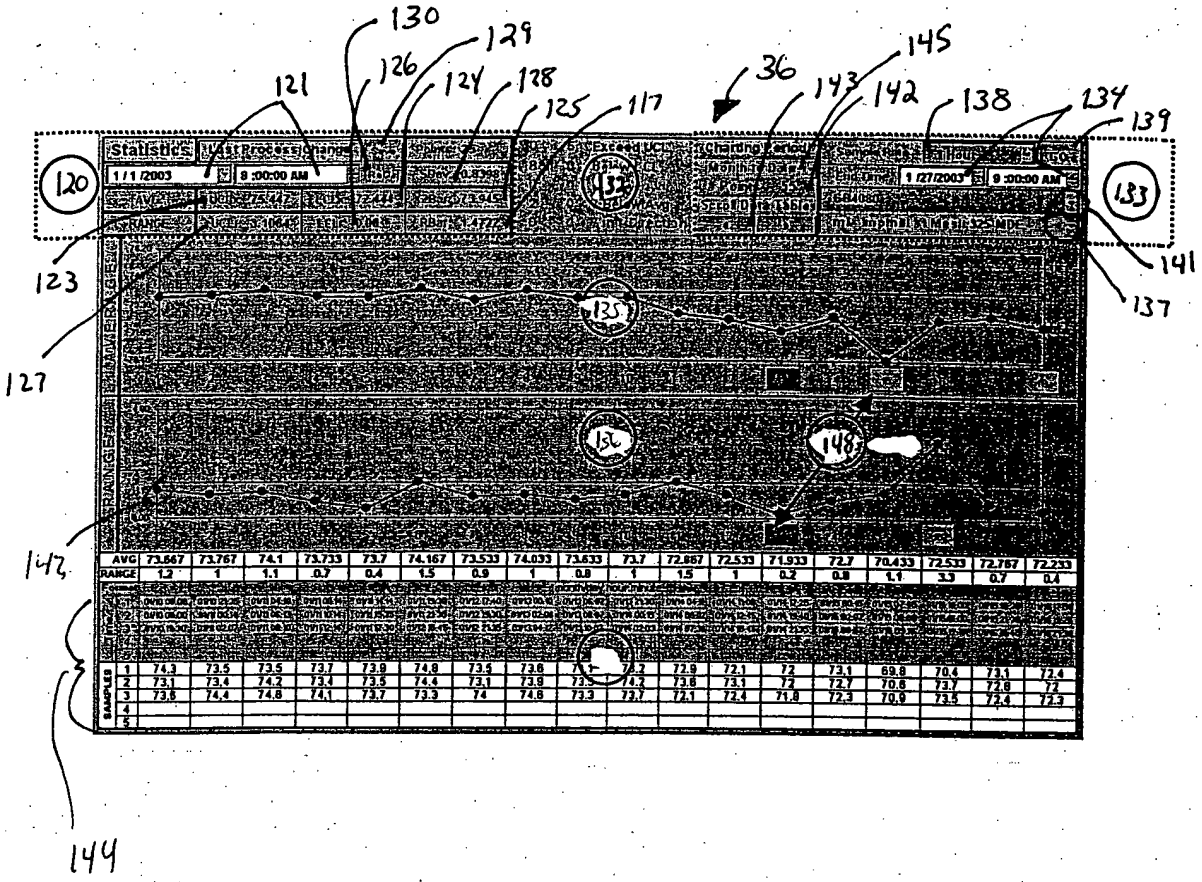

130
129
126
124
128
125
117
121
36
145
143
142
138
134
139
120
133
123
141
137
127
135
132
148
142
144
Statistics
1/1/2003
9:00:00 AM
1/27/2003
9:00:00 AM
AVG
RANGE
SAMPLES

Fig. 10

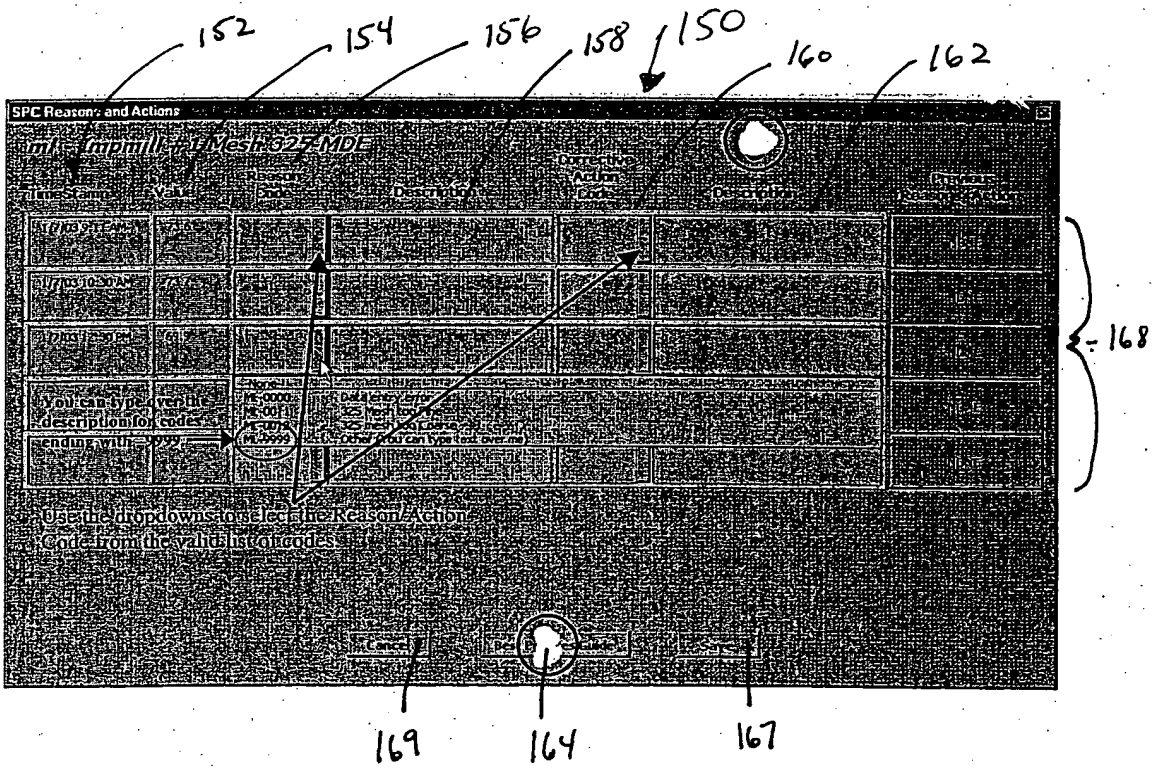

152
154
156
158
150
160
162
SPC Reasons and Actions
Time Stamp
Value
Reason Code
Description
Action Code
Description
Comment
You can type over the description for codes ending with 9999
Use the dropdowns to select the Reason/Action Code from the valid list of codes
Cancel
Save
168
169
164
167

Fig. 11a

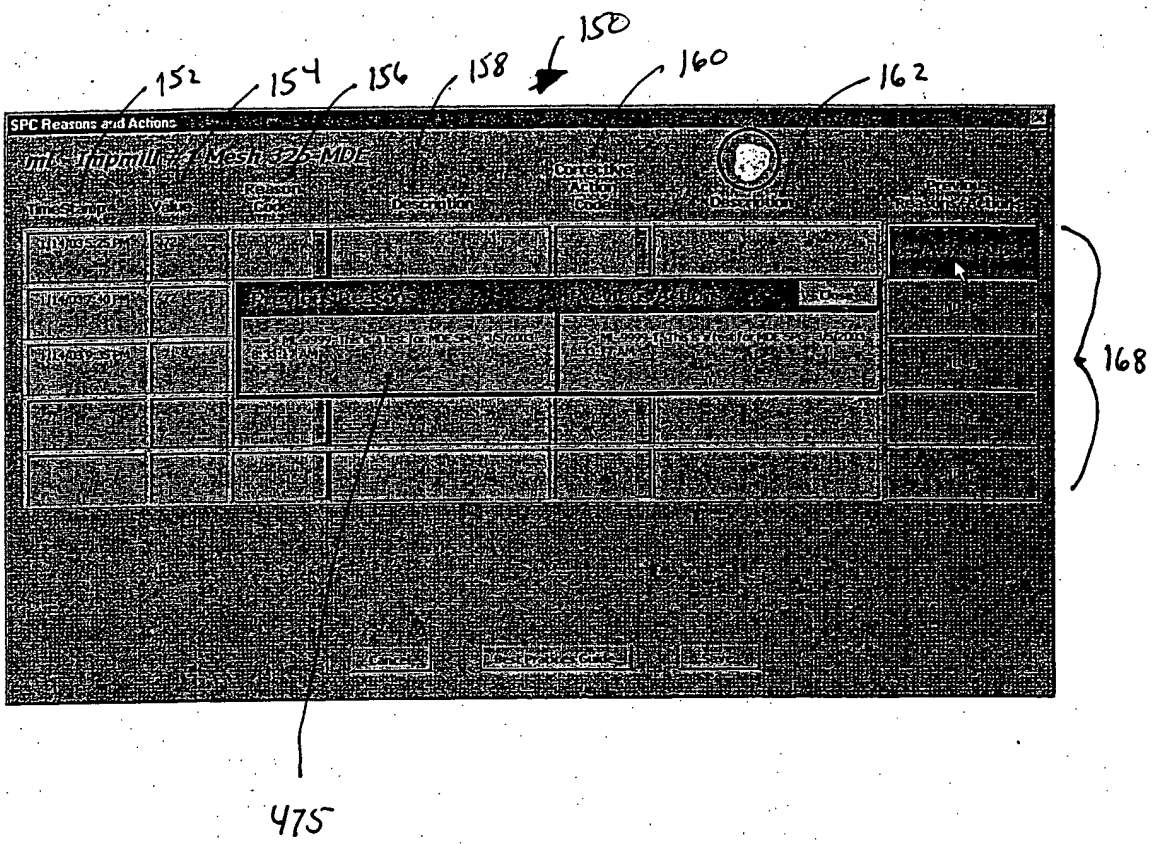



Fig. 11b

The goal of this SOP is to produce stucco that is calcined below theoretical with as few adjustments as possible.

166

BEST PRACTICE/S.O.P.

---

1. Combined water of stucco exceeds the upper limit.

Make sure the grinds are in the reasonable limits.
(Course grounds will cause the moistures to go up)

Examine the history of previous moisture's.
(2 samples in a row high or most of the samples were high)

Examine the purity.
(If the purity went up quite a bit, the moisture's will get higher)

If grinds are out of the control limits, they need to be lined out before any adjustments are made to the calcidyne's.

If grinds are in the control limits and purity is stable and sample still exceeds the upper limits then an adjustment to the calcidyne needs to be made.

When the purity goes up, it may take some time for the calcidyne's to adjust, no need to make adjustments right away. Run a couple of samples and see if they will adjust by themselves. If not make an adjustment.

2. Combined water of stucco is less than the lower limit

Make sure the grinds are in the reasonable limits.
(Fine grinds will cause the moistures to go down)

Examine the history of previous moisture's.
(2 samples in a row low or most of the samples were low)

Examine the purity.
(If the purity went down quite a bit, the moisture's will get lower).

If grinds are out of the control limits, they need to be lined out before any adjustments are made to the calcidyne's.

If grinds are in the control limits and purity is stable and sample still exceeds the lower limits then an adjustment to the calcidyne needs to be made.

FIG. 12

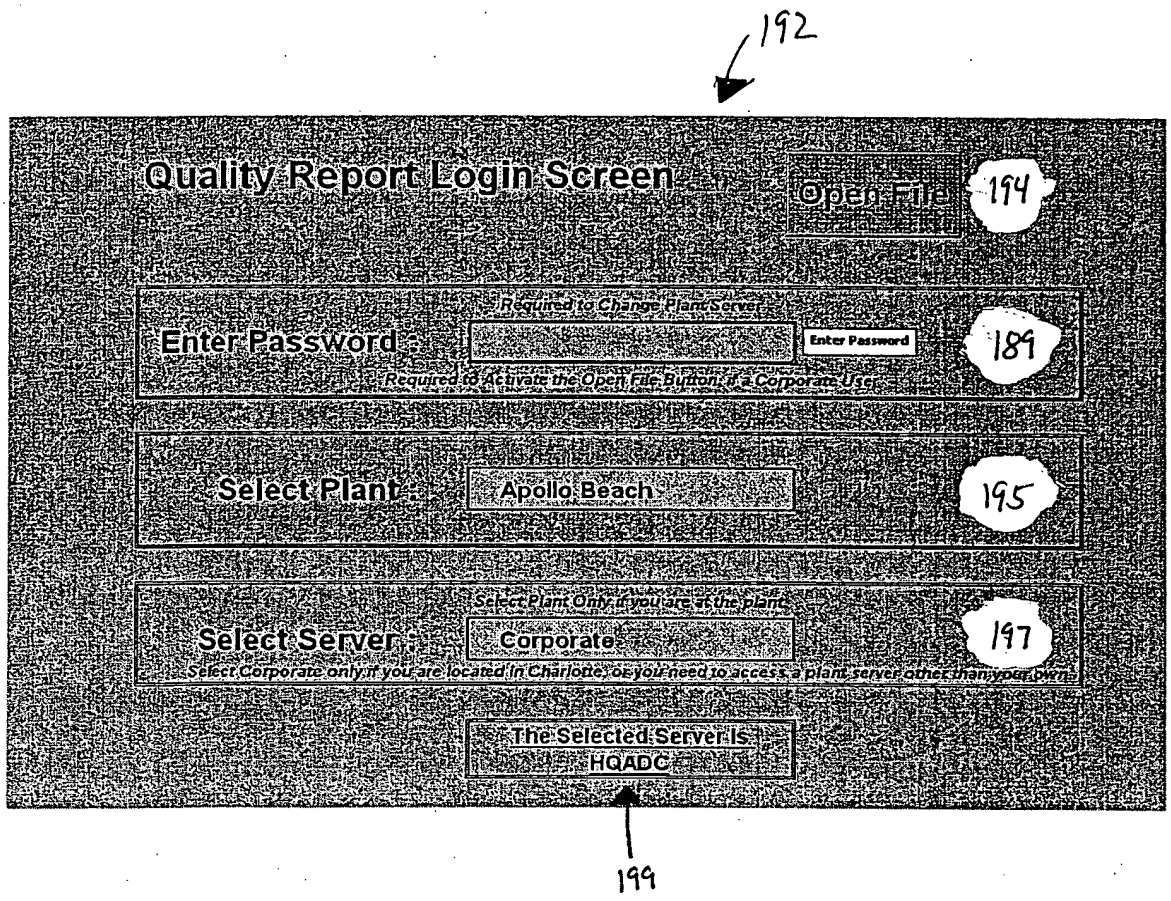

192
Quality Report Login Screen
Open File
194
Required to Change Plant Server
Enter Password :
Enter Password
189
Required to Activate the Open File Button, if a Corporate User
Select Plant :
Apollo Beach
195
Select Plant Only if you are at the plant
Select Server :
Corporate
197
Select Corporate only if you are located in Charlotte, or you need to access a plant server other than your own.
The Selected Server Is
HQADC
199

Fig. 13

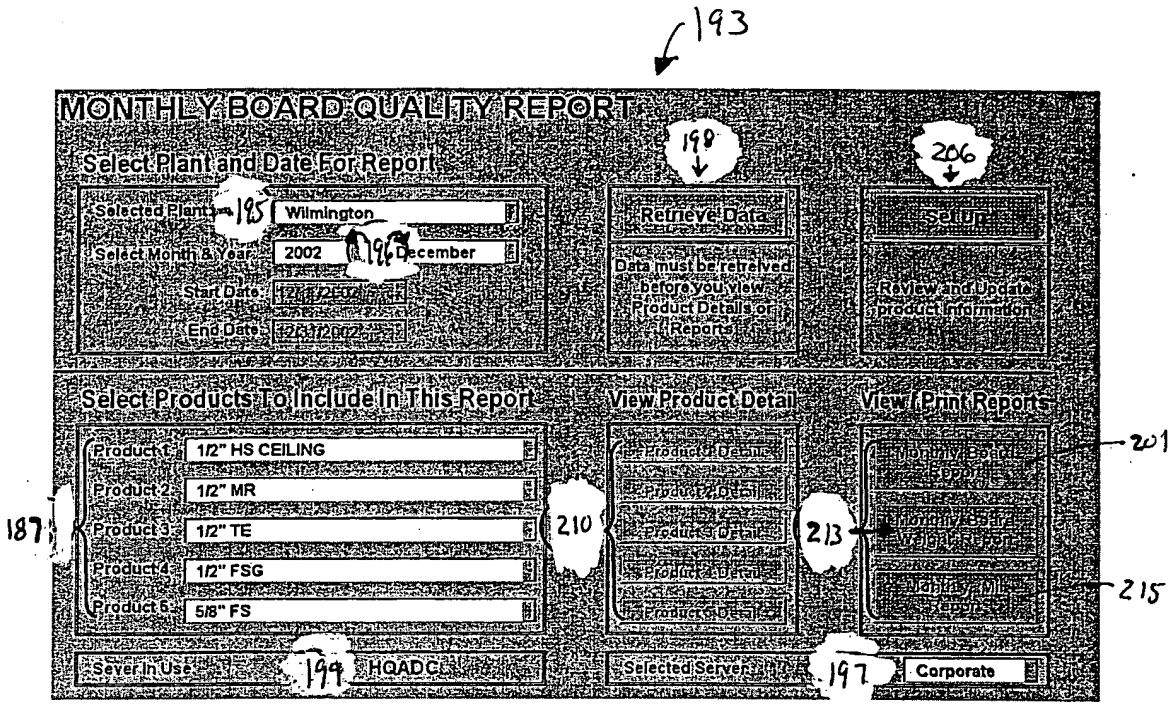

193
MONTHLY BOARD QUALITY REPORT
198
206
Select Plant and Date For Report
Selected Plant
195
Wilmington
Select Month & Year
2002
196
December
Start Date
End Date
Retrieve Data
Data must be retrieved before you view Product Details or Reports
Set Up
Review and Update product information
Select Products To Include In This Report
View Product Detail
View / Print Reports
Product 1
1/2" HS CEILING
Product 2
1/2" MR
Product 3
1/2" TE
Product 4
1/2" FSG
Product 5
5/8" FS
187
210
213
201
215
Sever In Use
199
HQADCL
Selected Server
197
Corporate

Fig. 14

## MONTHLY BOARD QUALITY REPORT

200

| PRODUCT CODE AND DESCRIPTION | GB4080 40' 1/2" REG-TE | GB9950 40' 5/8" FS-TE | GB2280 40' 1/2" KK-TE | GB0019 40' 1/2" HS-TE | GB0116 40' 1/2" SS HS (Sta-Smooth) |
|---|---|---|---|---|---|
| **Lab 402** | **NAIL PULL - lbs of force** | | | | |
| Number of samples | 75 | 22 | 1 | 9 | 4 |
| Specification ( Min ) | 80.0 | 90.0 | 80.0 | 80.0 | 80.0 |
| 3-Month Rolling Average | 71.4 | 84.8 | 82.1 | 70.6 | 70.9 |
| Standard Deviation | 2.722 | 4.458 | | 2.985 | 3.081 |
| Year-to-Date Average | 71.4 | 84.8 | 82.1 | 70.6 | 70.9 |
| Prior Year Average | 74.886 | 89.838 | 85.750 | 77.067 | 76.100 |
| **Cpk** | **-1.049** | **-0.391** | | **-1.046** | **-0.990** |
| **Est. Defects Per 1,000 Units** | **> 500** | **> 500** | | **> 500** | **> 500** |
| **Cp** | **-1.049** | **-0.391** | | **-1.046** | **-0.990** |
| **Lab** | **CORE HARDNESS - lbs of force** | | | | |
| Number of samples | 68 | 21 | 1 | 9 | 4 |
| Specification ( Min ) | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 |
| 3-Month Rolling Average | 17.1 | 23.0 | 19.3 | 17.1 | 16.3 |
| Standard Deviation | 1.366 | 1.750 | | 1.054 | 0.831 |
| Year-to-Date Average | 17.1 | 23.0 | 19.3 | 17.1 | 16.3 |
| Prior Year Average | 18.276 | 23.056 | 17.333 | 18.389 | 16.889 |
| **Cpk** | **0.518** | **1.514** | | **0.668** | **0.535** |
| **Est. Defects Per 1,000 Units** | **80** | **< 1** | | **40** | **80** |
| **Cp** | **0.518** | **1.514** | | **0.668** | **0.535** |
| **Lab** | **EDGE HARDNESS - CODE - lbs of force** | | | | |
| Number of samples | 67 | 21 | 1 | 8 | 4 |
| Specification ( Min ) | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 |
| 3-Month Rolling Average | 56.1 | 72.4 | 64.3 | 56.5 | 51.7 |
| Standard Deviation | 4.725 | 9.285 | | 6.644 | 7.193 |
| Year-to-Date Average | 56.1 | 72.4 | 64.3 | 56.5 | 51.7 |
| Prior Year Average | 42.430 | 64.194 | 55.000 | 43.846 | 47.000 |
| **Cpk** | **2.900** | **2.061** | | **2.080** | **1.703** |
| **Est. Defects Per 1,000 Units** | **< 1** | **< 1** | | **< 1** | **< 1** |
| **Cp** | **2.900** | **2.061** | | **2.080** | **1.703** |
| **Lab** | **EDGE HARDNESS - OPP CODE - lbs of force** | | | | |
| Number of samples | 66 | 21 | 1 | 8 | 4 |
| Specification ( Min ) | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 |
| 3-Month Rolling Average | 62.1 | 75.0 | 79.3 | 57.7 | 62.7 |
| Standard Deviation | 5.351 | 7.700 | | 4.366 | 0.837 |
| Year-to-Date Average | 62.1 | 75.0 | 79.3 | 57.7 | 62.7 |
| Prior Year Average | 49.159 | 60.030 | 62.222 | 46.282 | 47.000 |
| **Cpk** | **2.934** | **2.599** | | **3.261** | **19.016** |
| **Est. Defects Per 1,000 Units** | **< 1** | **< 1** | | **< 1** | **< 1** |
| **Cp** | **2.934** | **2.599** | | **3.261** | **19.016** |
| **Lab** | **END HARDNESS - lbs of force** | | | | |
| Number of samples | 69 | 21 | 1 | 9 | 4 |
| Specification ( Min ) | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 |
| 3-Month Rolling Average | 16.1 | 22.2 | 20.3 | 16.4 | 15.2 |
| Standard Deviation | 1.385 | 1.798 | | 0.961 | 0.638 |
| Year-to-Date Average | 16.1 | 22.2 | 20.3 | 16.4 | 15.2 |
| Prior Year Average | 17.829 | 22.528 | 18.000 | 18.028 | 16.889 |
| **Cpk** | **0.255** | **1.336** | | **0.488** | **0.087** |
| **Est. Defects Per 1,000 Units** | **300** | **< 1** | | **120** | **> 500** |
| **Cp** | **0.255** | **1.336** | | **0.488** | **0.087** |

Fig. 15

431

214

Return

## Monthly Board Weight Report

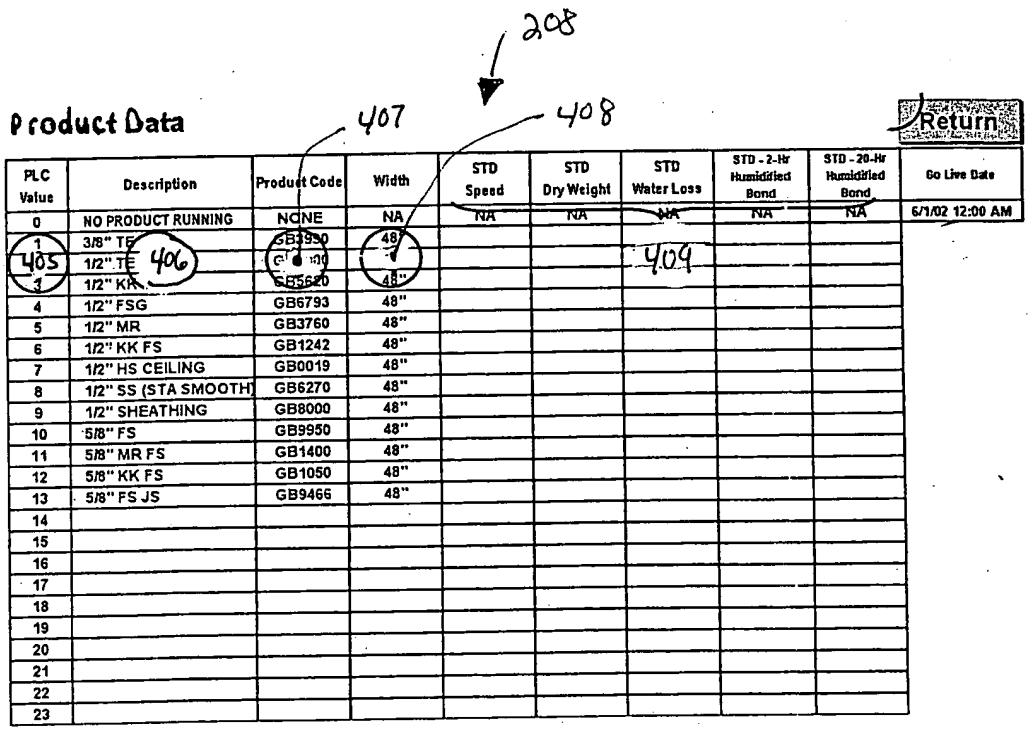
PLANT : Wilmington MONTH : February 2003

Save As File

430

| 1/2" SHEATHING Board | MONTHLY WEIGHT DATA | | |
|---|---|---|---|
| | AVG WEIGHT | STD DEV | # OF SAMPLES |
| December 2002 | 1719 | 9 | 2 |
| January 2003 | 1713 | 16 | 6 |
| February 2003 | | | |
| March 2003 | | | |
| April 2003 | | | |
| May 2003 | | | |
| June 2003 | | | |
| July 2003 | | | |
| August 2003 | | | |
| September 2003 | | | |
| October 2003 | | | |
| November 2003 | | | |
| December 2003 | | | |
| YTD AVERAGE | 1713 | 16 | 6 |

Fig. 16




| PLC Value | Description | Product Code | Width | STD Speed | STD Dry Weight | STD Water Loss | STD - 2-Hr Humidified Bond | STD - 20-Hr Humidified Bond | Go Live Date |
|---|---|---|---|---|---|---|---|---|---|
| 0 | NO PRODUCT RUNNING | NONE | NA | NA | NA | NA | NA | NA | 6/1/02 12:00 AM |
| 1 | 3/8" TE | GB3990 | 48" | | | | | | |
| 2 | 1/2" TE | GB1110 | 48" | | | | | | |
| 3 | 1/2" KK | GB5620 | 48" | | | | | | |
| 4 | 1/2" FSG | GB6793 | 48" | | | | | | |
| 5 | 1/2" MR | GB3760 | 48" | | | | | | |
| 6 | 1/2" KK FS | GB1242 | 48" | | | | | | |
| 7 | 1/2" HS CEILING | GB0019 | 48" | | | | | | |
| 8 | 1/2" SS (STA SMOOTH) | GB6270 | 48" | | | | | | |
| 9 | 1/2" SHEATHING | GB8000 | 48" | | | | | | |
| 10 | 5/8" FS | GB9950 | 48" | | | | | | |
| 11 | 5/8" MR FS | GB1400 | 48" | | | | | | |
| 12 | 5/8" KK FS | GB1050 | 48" | | | | | | |
| 13 | 5/8" FS JS | GB9466 | 48" | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |
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| 23 | | | | | | | | | |

Fig. 17

*Replacement Sheet 21*
*Serial No.: 10/828,751*
*Title: System and Method for Plant Management*
*Inventors: Price, et al.*

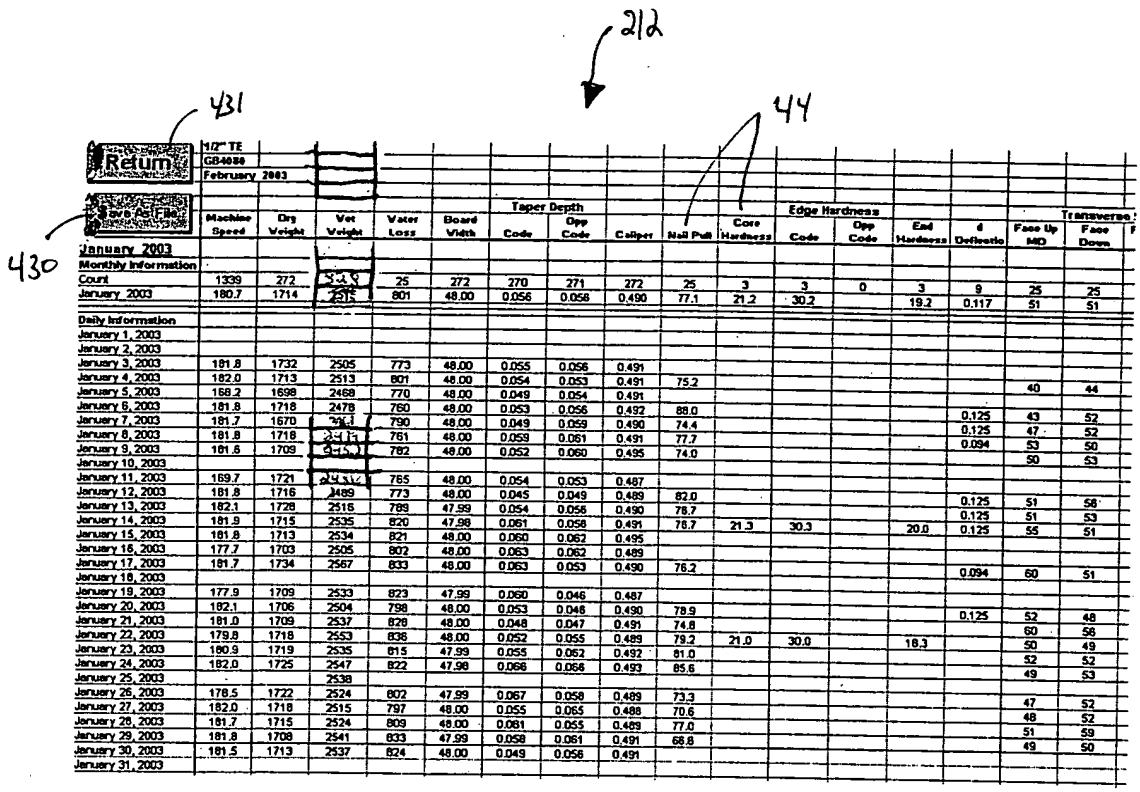



Fig. 18a

| | Machine Speed | Dry Weight | Wet Weight | Water Loss | Board Width | Taper Depth Code | Taper Depth Opp Code | Caliper | Nail Pull | Core Hardness | Edge Hardness Code | Edge Hardness Opp Code | End Hardness | d Deflectio | Face Up MD | Face Down | Transverse S F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| February 2003 | | | | | | | | | | | | | | | | | |
| 3-Month Rolling Avg | | | | | | | | | | | | | | | | | |
| Average | 180.6 | | 2511 | 800 | 47.997 | 0.057 | 0.058 | 0.490 | 77.5 | 21.8 | 28.8 | | 19.0 | 0.128 | 48 | 50 | |
| Number of Samples | 2931 | (420) | 845 | 54 | 593 | 587 | 588 | 593 | 49 | 3 | 3 | 0 | 3 | 28 | 49 | 49 | |
| LSL | | | | | 47.29/32 | 0.050 | 0.050 | 0.485 | 80 | 15.0 | 15.0 | 15.0 | 15.0 | | 40 | 40 | |
| USL | | | | | 48 | 0.090 | 0.090 | 0.515 | | | | | | 1.250 | | | |
| Std Dev | 3.484 | 55.969 | 45.956 | 33.603 | 0.018 | 0.020 | 0.017 | 0.004 | 4.387 | 1.072 | 2.411 | | 0.862 | 0.025 | 4.442 | 3.550 | |
| Std Dev /1.7321 | 2.000 | 31.967 | 26.533 | 19.400 | 0.009 | 0.011 | 0.010 | 0.002 | 2.533 | 0.619 | 1.392 | | 0.509 | 0.014 | 2.564 | 2.050 | |
| Cpku | | | | | 0.115 | 0.948 | 1.178 | 3.890 | | | | | | 26.366 | | | |
| Cpkl | | | | | 3.230 | 0.217 | 0.222 | 0.829 | -0.334 | 3.852 | 3.299 | | | | 1.037 | 1.668 | |
| Cpk | | | | | 0.115 | 0.217 | 0.222 | 0.829 | -0.334 | 3.852 | 3.299 | | 2.619 | | 1.037 | 1.668 | |
| Cp | | | | | 1.673 | 0.583 | 0.599 | 2.359 | -0.334 | 3.852 | 3.299 | | 2.619 | 26.366 | 1.037 | 1.668 | |
| | | | | | | | | | | | | | 2.619 | 26.366 | 1.037 | 1.668 | |
| 3-Month Period Ending | | | | | | | | | | | | | | | | | |
| January | 181.1 | 1712 | 2509 | 796 | 48.00 | 0.058 | 0.056 | 0.490 | 77.5 | 21.8 | 28.8 | | 19.0 | 0.128 | 48 | 50 | |
| February | 180.6 | (421) | 2511 | 800 | 48.00 | 0.057 | 0.058 | 0.490 | 77.5 | 21.8 | 28.8 | | 19.0 | 0.128 | 48 | 50 | |
| March | 179.9 | | 2517 | 807 | 48.00 | 0.056 | 0.057 | 0.491 | 77.1 | 21.2 | 30.2 | | 19.2 | 0.117 | 51 | 51 | |
| April | 177.0 | | 2527 | 835 | 48.00 | 0.053 | 0.057 | 0.492 | | | | | | | | | |
| May | | | | | | | | | | | | | | | | | |
| June | | | | | | | | | | | | | | | | | |
| July | | | | | | | | | | | | | | | | | |
| August | | | | | | | | | | | | | | | | | |
| September | | | | | | | | | | | | | | | | | |
| October | | | | | | | | | | | | | | | | | |
| November | | | | | | | | | | | | | | | | | |
| December | | | | | | | | | | | | | | | | | |

Fig. 18b

| | Machine Speed | Dry Weight | Wet Weight | Water Loss | Board Width | Taper Depth Code | Taper Depth Opp Code | Caliper | Nail Pull | Core Hardness | Edge Hardness Code | Edge Hardness Opp Code | End Hardness | d Deflectio | Face Up MD | Face Down | Transverse F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Current Year Info | | | | | | | | | | | | | | | | | |
| Year-to-date Avg | 179.9 | 1710 | 2517 | 807 | 48.00 | 0.056 | 0.057 | 0.491 | 77.1 | 21.2 | 30.2 | | 19.2 | 0.117 | 51 | 51 | |
| Entire Year Avg | 179.9 | (422) | 2517 | 807 | 48.00 | 0.056 | 0.057 | 0.491 | 77.1 | 21.2 | 30.2 | | 19.2 | 0.117 | 51 | 51 | |
| | | | | | | | | | | | | | | | | | |
| December (Last Year) | 181.5 | [illegible] | 2502 | 791 | 48.00 | 0.060 | 0.058 | 0.490 | 77.8 | 23.0 | 26.0 | | 18.7 | 0.133 | 45 | 49 | |
| January | 180.7 | 1714 | 2515 | 801 | 48.00 | 0.058 | 0.056 | 0.490 | 77.1 | 21.2 | 30.2 | | 19.2 | 0.117 | 51 | 51 | |
| February | 177.0 | 1692 | 2527 | 835 | 48.00 | 0.053 | 0.057 | 0.492 | | | | | | | | | |
| | | (423) | | | | | | | | | | | | | | | |
| Prior Year Info | | | | | | | | | | | | | | | | | |
| Overwrite Historian Data Enter Year Avg | | Enter the correct information on this line | | | | | | | | | | | | | | | |
| Historian Data | | | | | | | | | | | | | | | | | |
| Entire Year Avg | 176.1 | (422) | 2502 | 791 | 48.00 | 0.060 | 0.056 | 0.490 | 77.8 | 23.0 | 26.0 | | 18.7 | 0.133 | 45 | 49 | |
| Year-to-date Avg | | | | | | | | | | | | | | | | | |
| Entire Year Avg | 176.1 | [illegible] | 2502 | 791 | 48.00 | 0.060 | 0.056 | 0.490 | 77.8 | 23.0 | 26.0 | | 18.7 | 0.133 | 45 | 49 | |

424

Fig. 18c

*C:\Documents and Settings\gbccdp\Local Settings\Temporary Internet Files\OLK4\Documentation-Adhoc Reporting Tool.xls*

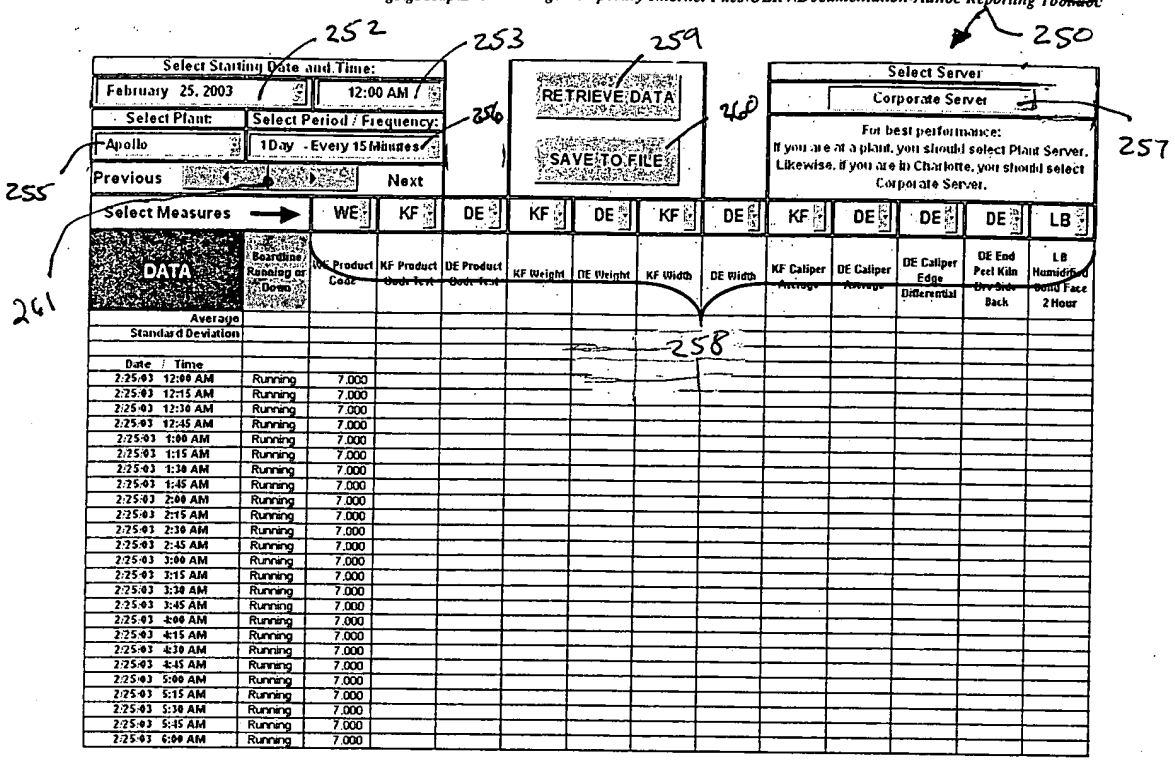
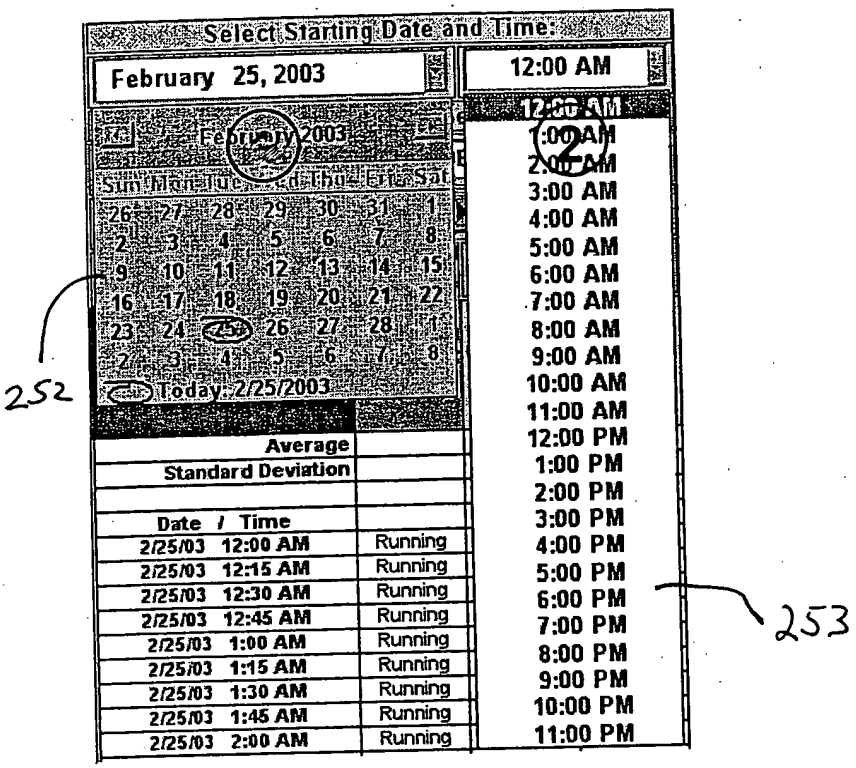



Fig. 19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12:00 AM
February 2003
Sun Mon Tue Wed Thu Fri Sat
26 27 28 29 30 31 1
2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 1
2 3 4 5 6 7 8
Today: 2/25/2003
Average
Standard Deviation
Date / Time
2/25/03 12:00 AM Running
2/25/03 12:15 AM Running
2/25/03 12:30 AM Running
2/25/03 12:45 AM Running
2/25/03 1:00 AM Running
2/25/03 1:15 AM Running
2/25/03 1:30 AM Running
2/25/03 1:45 AM Running
2/25/03 2:00 AM Running
12:00 AM
1:00 AM
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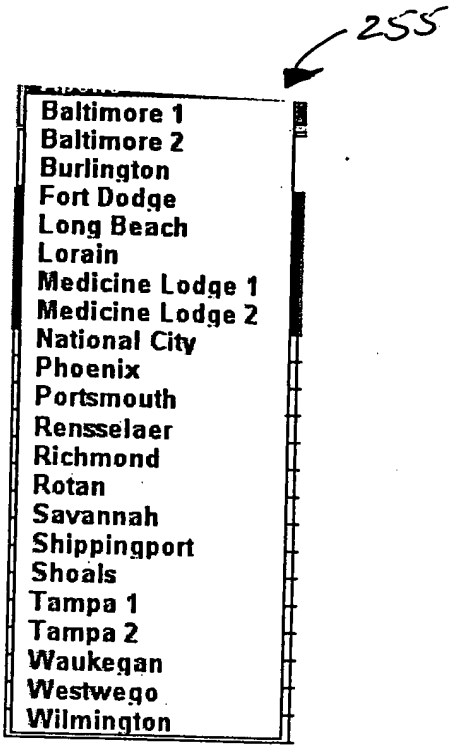
253

Fig. 20a


255
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Baltimore 2
Burlington
Fort Dodge
Long Beach
Lorain
Medicine Lodge 1
Medicine Lodge 2
National City
Phoenix
Portsmouth
Rensselaer
Richmond
Rotan
Savannah
Shippingport
Shoals
Tampa 1
Tampa 2
Waukegan
Westwego
Wilmington

Fig. 206

**Select Period / Frequency**


Fig. 20c

**Select Server**

257 →


Fig. 20d

**Select Measures (Tags)**

258 →

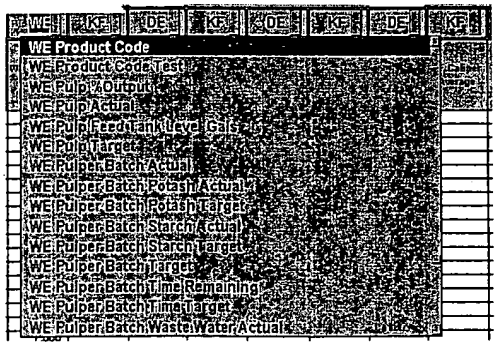
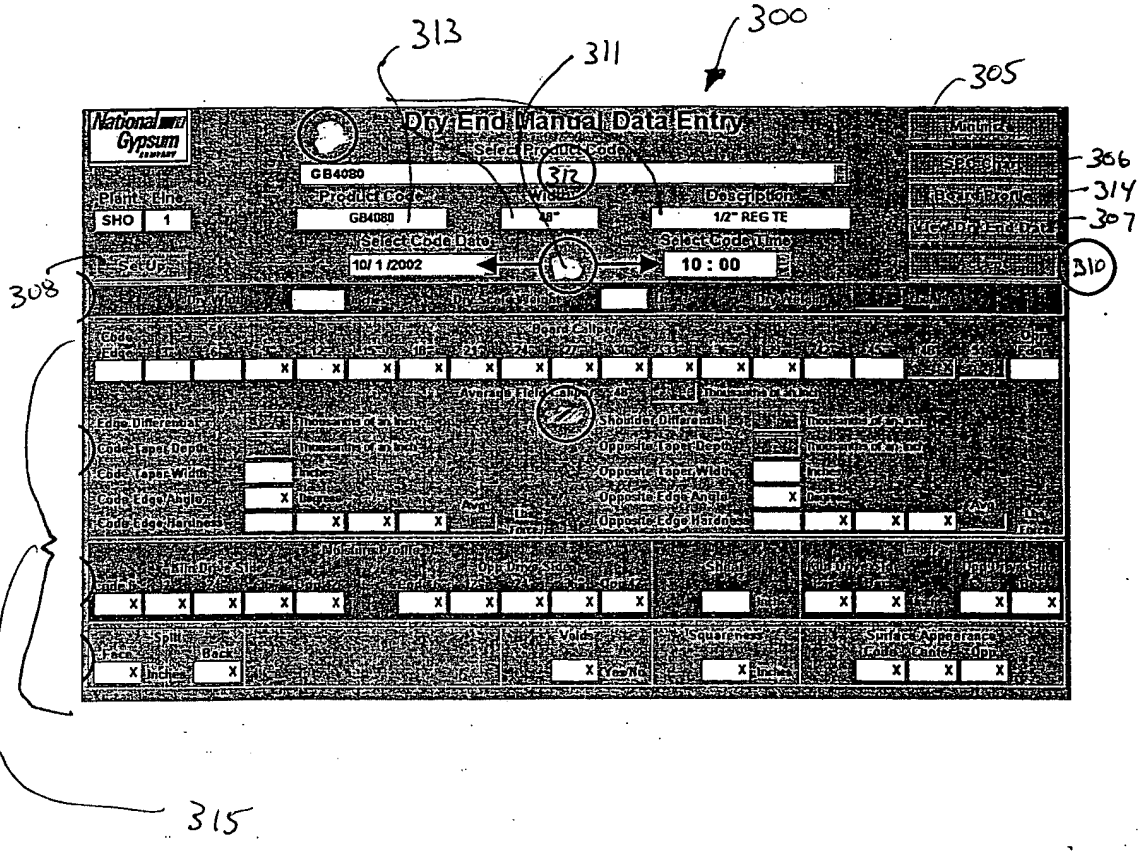







Fig. 20e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Product Code
GB4080
1/2" REG TE
Description
SHO
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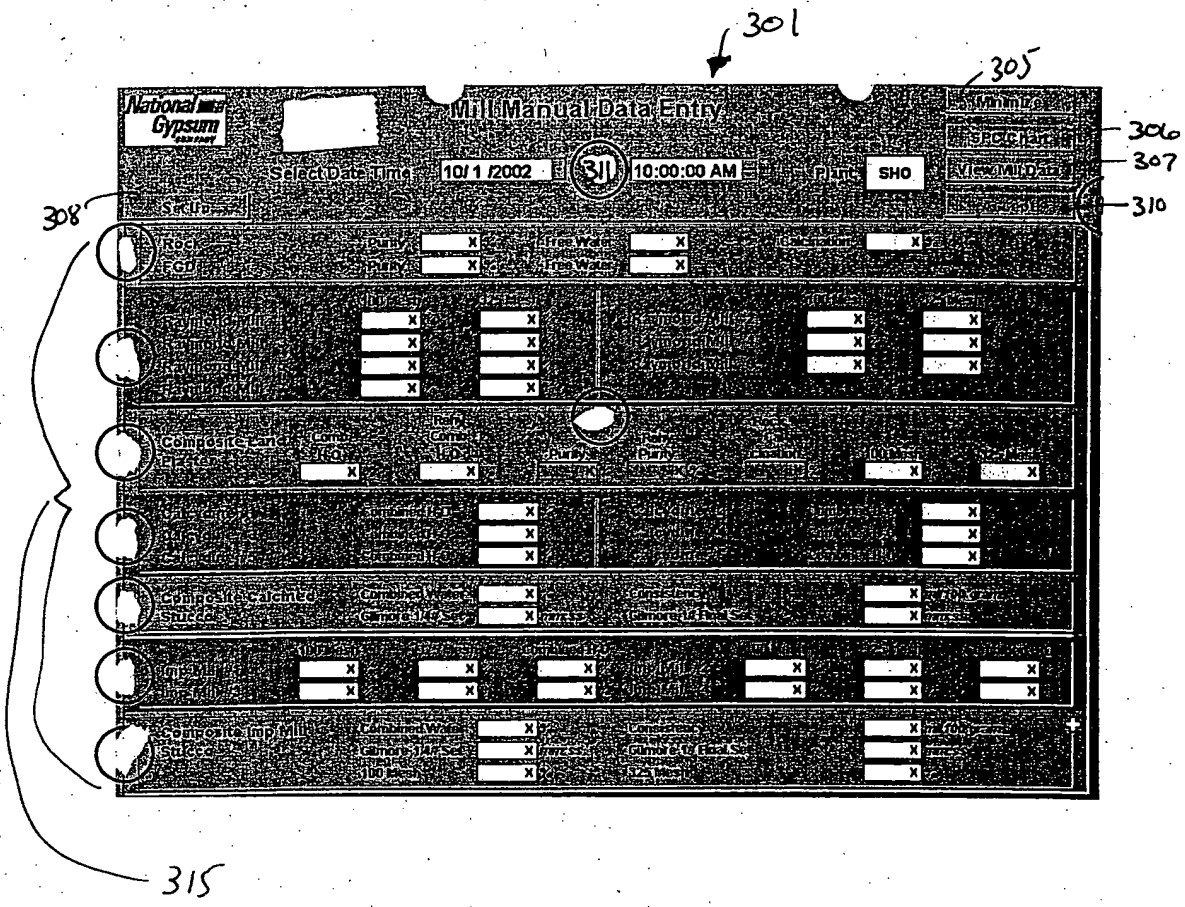
10/ 1 /2002
Select Code Time
10 : 00
306
314
307
310
308
315

Fig. 21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10:00:00 AM
SHO

Fig. 22

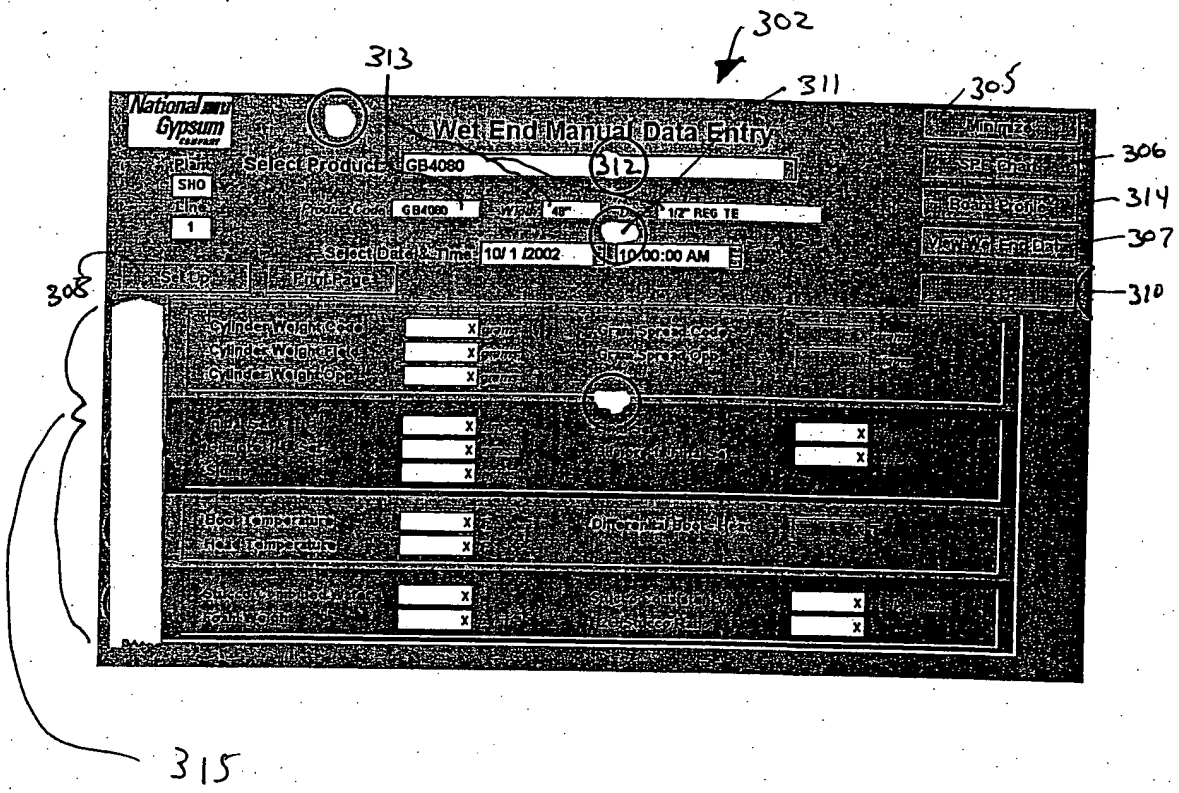
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Fig. 23

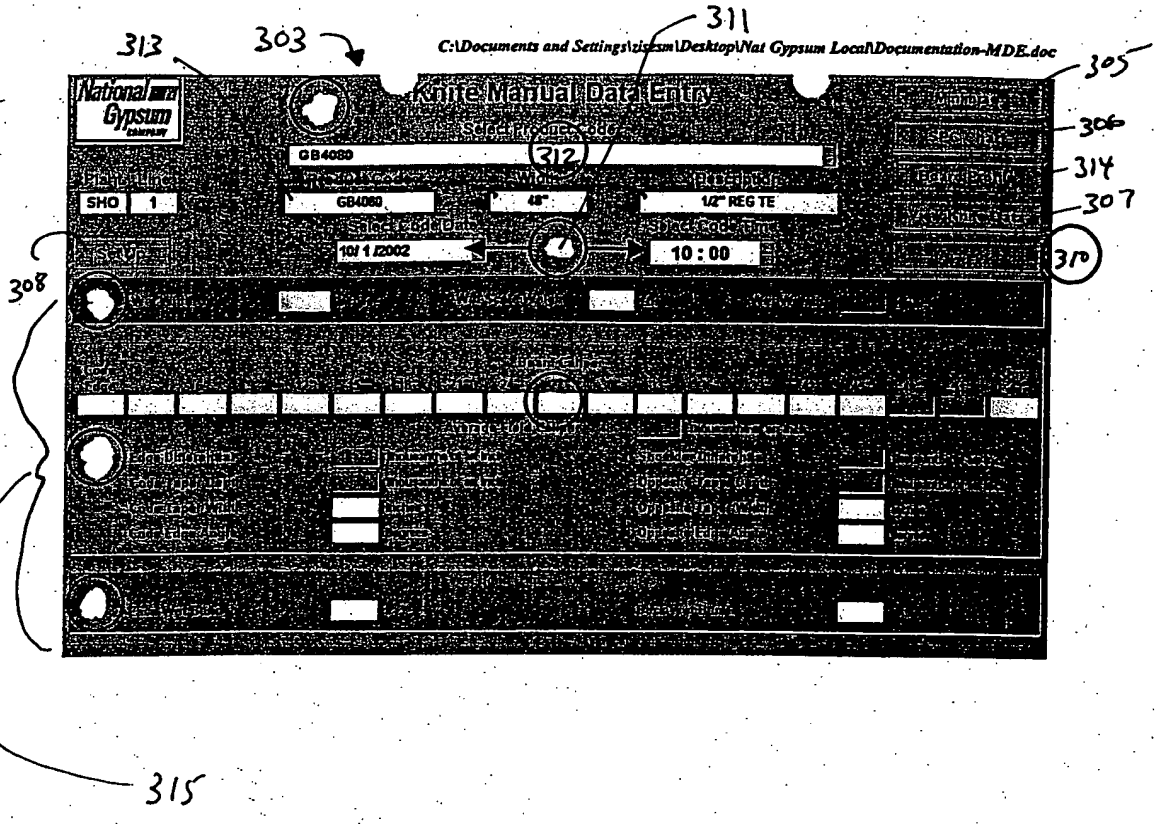
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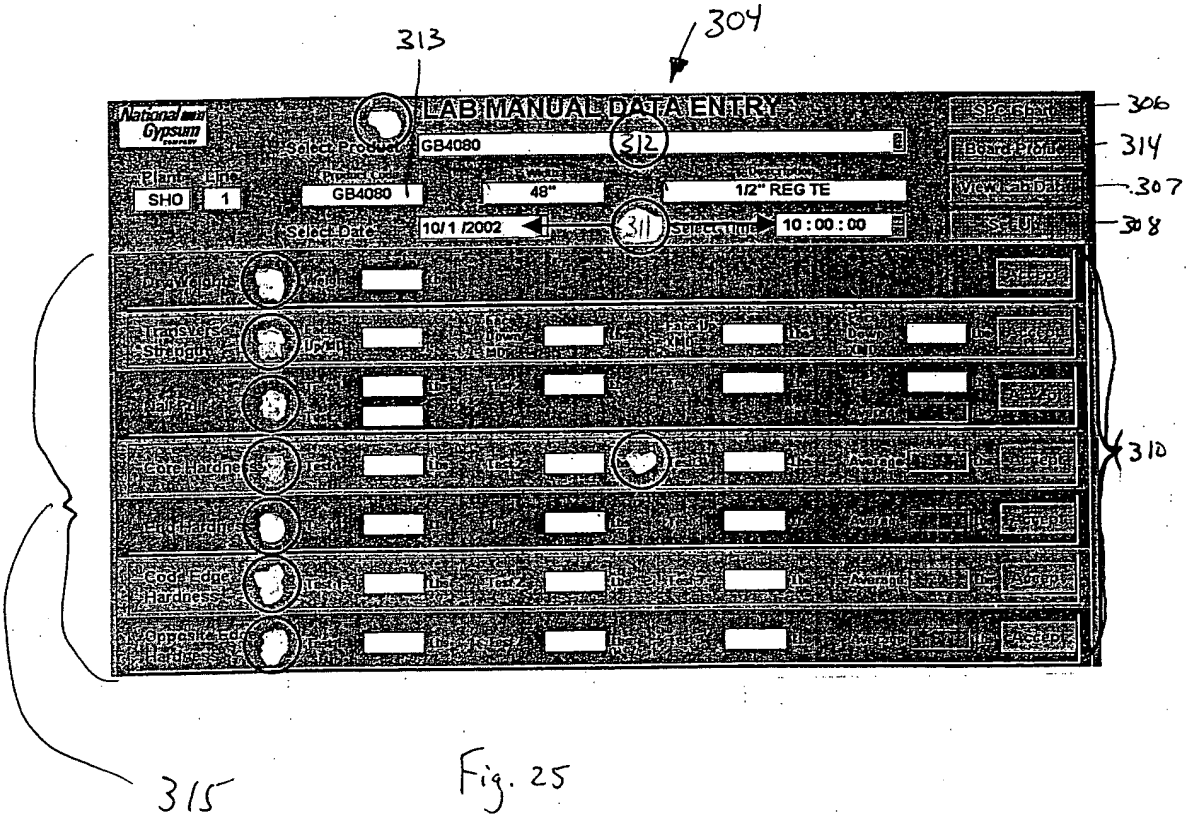
Fig. 24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Select Product
GB4080
312
Plant
Line
SHO
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GB4080
48"
1/2" REG TE
Select Date
10/1 /2002
311
Select Time
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315

Fig. 25